

For private
business and industry

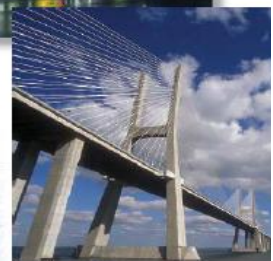
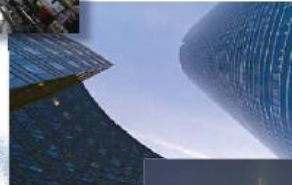
sectyelectronics

secty lifePatron®

Advanced earthquake warning and security system



PROJECT Peru „Arequipa“



Project description



sectyelectronics®GmbH is on the field of advanced earthquake early warning worldwide the only supplier of such systems which are suitable for industrial use as well as for and private use. The system is low-maintenance and easily operated for everyone.

The advanced earthquake early warning system was developed in close cooperation with the GeoForschungsZentrum (GFZ) Potsdam. It was tested scientifically successfully and could prove its functional capability in practice meanwhile in 24 earthquake-threatened countries.

The principle of advanced earthquake early warning is based on the P-wave detection and P-wave analysis. The P-wave of an earthquake is safe and hurries ahead of the destructive S-wave. With the help of the detection and analysis of the P-wave of an earthquake the intensity of the oncoming earthquake (S-wave) can be estimated enough exactly and certainly. With excess of preset thresholds the system releases an earthquake alarm.

In this project two earthquake detectors (1 master and 1 submaster) came into operation together with a siren cabinet and an “outdoor” siren (warning within a radius of 400m)

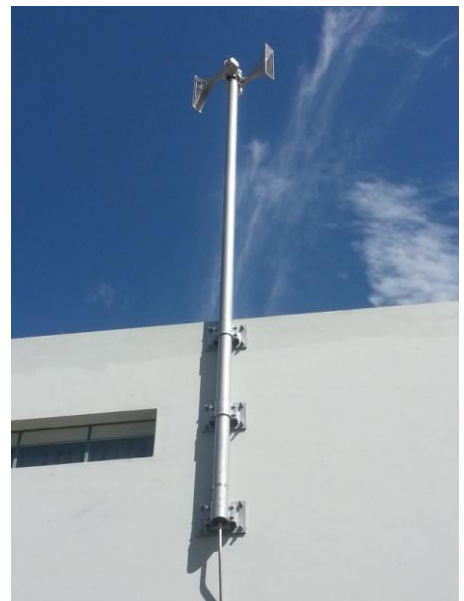


In the space of time from Mai 20 to June 02, 2013 **sectyelectronics®GmbH** has realized a further project in Peru-Arequipa.

The city "Arequipa" located 1000 km south from the capital, "Lima" and has about 1,000,000 residents. The system is to alert the population within a radius of 400m.



In the center of the school, the siren was installed.



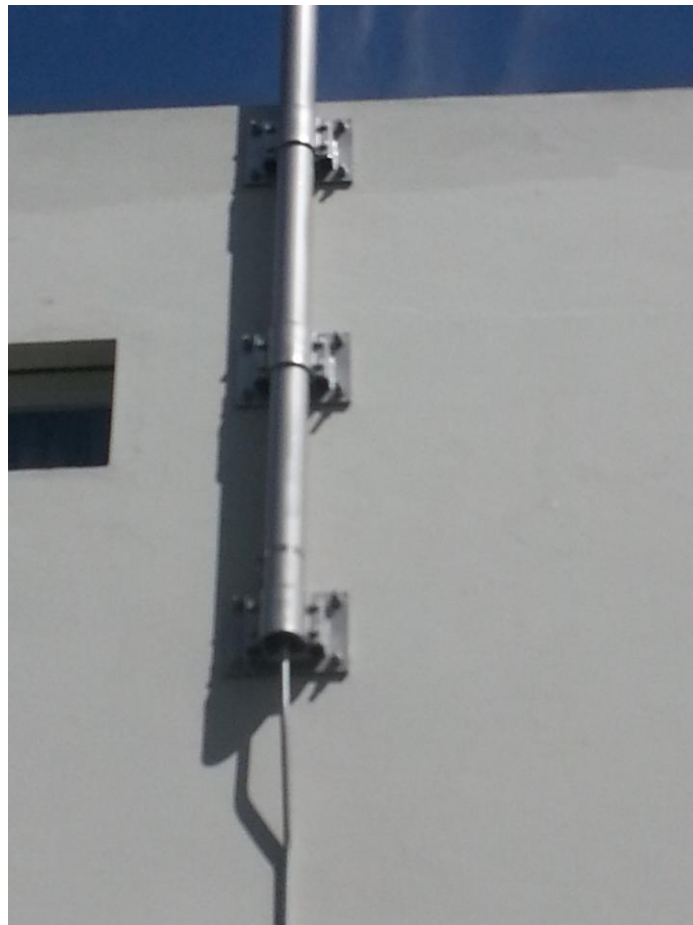


The two earthquake detector "Master" and "Submaster" were installed at a distance of approximately 100m in protective boxes on concrete pillars. The siren cabinet was installed together with the Master in a same room.





The siren mast is attached to the side wall of the building.



The mast was attached to a wall with clamps.



After installation, the responsible persons have been trained in the operation of the system.



Teachers, authorized personnel, civil defense and parents were informed in a presentation on earthquakes.

After the presentation was a test alarm. The population informed through the speaker system via the installation of an earthquake warning system.



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